CHAPTER IV.

YIELD AND WORKING.

57. The following table exhibits the yield of forests of the several Divisions of the Southern Circle for the two years 1885-86 and 1886-87 :—

Divisions.	Description.	1885-86.		1886-87.	
		Number of Logs.	Khandis.	Number of Logs.	Khandis.
Northern Division of Kánara	*(1).—Through Departmental Operations (Forest Produce brought to Depôts by Government Agency).*				
	Teak	4,224	7,602	7,896	15,345
	Do. round pieces for sleepers	49,964	...	5,552	...
	Do. poles	19,317	...	2,961	...
	Blackwood	470	627	131	180
	Do. poles	...	...	28	...
	Junglewood	365	657	1,155	2,196
	Firewood ... ... Tons.	448	...	526	...
	Charcoal	...	12	...	14
	Myrobolans	...	2,429	...	2,386
	(2).—Removal of Produce by Purchasers for local consumption on payment of fees.				
	Junglewood	...	2,940	...	4,656
	Do. poles	10,304	...	9,385	...
	Bámbus	2,57,217	...	4,20,591	...
	Firewood ... ... Cubic feet.	4,293	...	11,67,160	...
	Do. ... ... Cart-loads.	...	...	1,368	...
	Do. ... ... Head-loads.	30,956	...	35,716	...
	Charcoal ... ... Maunds.	631	...	440	...
	Myrobolans	...	29	...	...
	Baini trees	...	...	11	...
	Kárvi ... ... Head-loads.	48	...	513	...
	Rattan ... ... Do.	2	...	52	...
	Creeper for baskets	...	...	1,643	...
	(3).—Removal of Produce for export on payment of fees.				
	Junglewood	...	4,000	...	4,195
	Bámbus	19,39,725	...	20,66,625	...
	Firewood ... ... Tons.	20,853	...	8,834	...
	Kárvi ... ... Head-loads.	...	...	1,000	...
	(4).—Free Grants of Forest Produce.				
	Junglewood	...	2,516	...	2,450
	Bámbus	19,620	...	33,346	...
	Firewood ... ... Cart-loads.	31	...	...	...
	Do. ... ... Head-loads.	...	...	100	...
Central Division of Kánara.	*(1).—Through Departmental Operations (Forest Produce brought to Depôts by Government Agency).*				
	Teak	1,371	2,196	3,440	6,551
	Do. round pieces for sleepers	1,07,402	...	23,071	...
	Do. poles	8,147	...	11,223	...
	Sandalwood	...	13	...	13
	Ebonywood	5	1	...	...
	Blackwood	35	38	2	3
	Junglewood	467	678	110	191
	Do. poles	114	...	59	5
	Jiráitwood pieces	...	...	643	...
	Bámbus	...	...	85	...

Divisions.	Description.	1885-86. Number of Logs.	1885-86. Khandis.	1886-87. Number of Logs.	1886-87. Khandis.
Central Division of Kánara—*continued.*	*(1).—Through Departmental Operations (Forest Produce brought to Depôts by Government Agency)*—continued.				
	Myrobolans	...	334	...	327
	Shigékái	...	5	...	4
	Brakes for traffic carts ... ... No.	1,653	...	...	...
	Grass bundles	9,32,783	...	77,600	...
	Agricultural implements	125	...	...	...
	Firewood ... ... Cart-loads	401	...	14	...
	Do. ... ... Stacks.	549	...	1,785	...
	(2).—Removal of Produce by Purchasers for local consumption on the payment of fees.				
	Teak	115	115	...	101
	Blackwood	...	4	...	220
	Junglewood	...	1,903	...	2,637
	Do. poles or pieces	434	...	1,015	...
	Do. plants	...	...	9	...
	Bámbus	1,66,863	...	1,59,764	...
	Firewood ... ... Cart-loads.	1,174	...	1,156	...
	Do. ... ... Head-loads.	72,447	...	81,230	...
	Charcoal ... ... Maunds.	929	...	806	...
	Baini trees	6	...	41	...
	Rattan ... ... Head-loads.	45	...	187	...
	Khairáwood	...	...	6	...
	(3).—Removal of Produce for export on payment of fees.				
	Firewood ... ... Cart-loads.	14	....	16	...
	Do. ... ... Tons.	4,290	...	7,299	...
	Do. ... ... Stacks.	...	...	2	...
	Bámbus	8,02,292	...	6,20,800	...
	Dry do. ... ... Cart-loads.	...	...	208	...
	Earth ... ... Do.	...	...	61	...
	Baini trees	8	...	7	...
	Shigékái	...	5	...	...
	(4).—Free Grants of Forest Produce.				
	Junglewood	...	1,943	...	1,485
	Do. poles	269	...	605	...
	Bámbus	19,215	...	3,000	...
	Sheebs	...	...	8,650	...
	Firewood ... ... Cart-loads.	146	...	34	...
	Do. ... ... Head-loads.	800	...	525	...
	Rattans ... ... No.	200	...	...	...
Southern Division of Kánara.	*(1).—Through Departmental Operations (Forest Produce brought to Depôts by Government Agency).*				
	Teak	103	131	568	934
	Do. poles	1,492	478	1,788	483
	Do. round pieces for sleepers	38,329	...	6,942	...
	Teak slabs	44,515	...	690	...
	Sandalwood	2,437	69	609	6
	Do. whitewood chips ... Carts.	12	...	½	...
	Do. saw-dust ... ... Sers.	...	...	12	...
	Blackwood	2	2	...	...
	Junglewood	479	622	431	619
	Do. poles	...	...	325	93
	Myrobolans	...	2,073	...	2,103-3
	Shigékái	...	11	...	57-12-20

Divisions.	Description.	1885-86. Number of Logs.	1885-86. Khandis.	1886-87. Number of Logs.	1886-87. Khandis.
Southern Division of Kánara—*continued.*	*(2).—Removal of Produce by Purchasers for local consumption on payment of fees.*				
	Teak	...	8	...	41
	Blackwood	...	7	...	2
	Junglewood	...	8,083	...	7,929
	Do. poles	246	...	25	...
	Firewood ... ... Cart-loads.	3,535	...	3,744	...
	Do. ... ... Head-loads.	66,659	...	56,675	...
	Charcoal ... ... Maunds.	286	...	284	...
	Bámbus	1,57,950	...	1,41,580	...
	Rattans ... ... Loads.	432	...	431	...
	Palmyra trees	136	...	89	...
	Thorns ... ... Cart-loads.	29	...	16	...
	Hadchári leaves ... ... Maunds.	80	...	...	...
	(3).—Removal of Produce for export on payment of fees.				
	Junglewood	...	299	...	...
	Teak	...	181	...	...
	Blackwood	...	2	...	...
	Firewood ... ... Tons.	...	18	...	...
	Shigebark	...	968	...	542-5
	Bámbus	1,23,825	...	19,350	...
	(4).—Free Grants of Forest Produce.				
	Junglewood	...	1,751	...	2,266
	Do. poles	...	375	...	297
	Bámbus	3,575	...	16,650	...
	Rattans ... ... Loads.	...	...	4	...
Belgaum.	*(1).—Through Departmental Operations (Forest Produce brought to Depôts by Government Agency).*				
	Teak logs...	2	...	85	...
	Do. round pieces for sleepers	13,714	...	7,918	...
	Do. poles	4,247	...	2,110	...
	Do. slabs	7,400	...	14,189	...
	Do. end pieces	921	...	760	...
	Sandalwood pieces	8	...	...	...
	Blackwood	43	...	...	...
	Do. poles	...	...	3,772	...
	Junglewood	1	...	...	...
	Do. poles	26,088	...	12,500	...
	Firewood ... ...Stacks.	18,284	...	12,375	...
	Do. ... ... Cart-loads.	94	...	54	...
	Do. ... ... Head-loads.	19,239	...	19,275	...
	Do. ... ... Cubic feet.	91,700	...	14,64,645½	...
	Myrobolans	...	7,679	...	1,800
	Do. ... ... Baskets.	...	...	55,639	...
	(2).—Removal of Produce by Purchasers for local consumption on payment of fees, and (3).—Removal of Produce for export on payment of fees.				
	Sandalwood pieces	...	...	4	...
	Teak poles	45	...	3	...
	Blackwood	2	...	5	...
	Junglewood	3	...	...	...

Divisions.	Description,	1885-86. Number of Logs.	1885-86. Khandis.	1886-87. Number of Logs.	1886-87. Khandis.
Belgaum—*continued.*	*(2).—Removal of Produce by Purchasers for local consumption on payment of fees, and (3).—Removal of Produce for export on payment of fees*—continued.				
	Junglewood pieces and poles	3,067	...	2,681	...
	Do. rafters	75	...	105	...
	Bámbus	2,47,610	...	4,06,341	...
	Firewood ... Stacks and Cart-loads.	4,576	...	2,950	...
	Do. ... ... Head-loads.	57,287	...	97,018	...
	Do. ... ...Bullock-loads.	...	...	429	...
	Charcoal ... ... Maunds.	4,530	...	1,040	...
	Thorns ... ... Cart-loads.	...	...	78	...
	Do. ... ... Head-loads.	384	...	171	...
	Rattans ... ... Do.	324	...	234	...
	Shigékái ... ... Maunds.	575	...	375	...
	Honey ... ... Do.	45	...	50	...
	Stone ... ... Cart-loads.	4,222	...	5,605	...
	Do. ... ...Bullock-loads.	...	...	820	...
	Do. ... ... Cubic feet.	...	...	1,87,718	...
	Earth ... ... Cart-loads.	...	...	105	...
	Sand ... ... Cubic feet.	...	...	32,593	...
	Kárvi ... ... Cart-loads.	183	...	267	...
	Nim trees	...	...	3	...
	Bábulwood	...	...	32	...
	Tárvád bark ... ...Bullock-loads.	...	...	148	...
	Coffee ... ... Sers.	...	...	35	...
	Tamarind... ... ... Maunds.	...	...	10	...
	Grass pullies	2,882	...	100	...
	Sale of toddy trees	38	...	88	...
	Tapping do.	132	...	91	...
	Gum ... ... Maunds.	25	...	20	...
	(4).—Free Grants of Forest Produce.				
	Junglewood	1,175	246	1,822	301
	Do. poles	126	10	3,086	206
	Bámbus	7,600	...	2,910	...
Dhárwár.	*(1).—Through Departmental Operations (Forest Produce brought to Depôts by Government Agency).*				
	Teak rafters	15,793	...	14,849	...
	Junglewood rafters	2,946	...	1,710	...
	Sleepers	...	...	4,868	...
	Round pieces for sleepers	...	...	74	...
	Slabs	...	...	6,818	...
	Agricultural implements	32,112	...	27,804	...
	Firewood... ... ...Stacks.	9,126	...	6,752	...
	Sandalwood ... ... Billets.	...	14	1,678	...
	Do. ... ...Pieces.	372	...	80	...
	Do. ... ... Chips.	...	2	...	8½
	Myrobolans	...	10	...	3
	(2).—Removal of Produce by Purchasers for local consumption on the payment of fees.				
	Teak rafters	308	...	1	...
	Blackwood rafters	2	...	...	...
	Junglewood do.	220	...	26	...
	Agricultural implements	1,433	...	580	...
	Firewood... ... ... Cart-loads.	953	..	397	...
	Do. ... ...Donkey-loads.	8,785	...	1,765	...

Divisions.	Description.	1885-86. Number of Logs.	1885-86. Khandis.	1886-87. Number of Logs.	1886-87. Khandis.
Dhárwár—*continued.*	*(2).—Removal of Produce by Purchasers for local consumption on payment of fees*—continued.				
	Firewood ... ... Buffalo-loads	...	...	...	...
	Do. ... ... Head-loads.	20,336	...	17,817	...
	Bámbus	3,11,991	...	3,64,199	...
	Dry bámbus ... ... Head-loads.	5,563	...	11,791	...
	Thorns ... ...Bullock-loads.	71	...	111	...
	Do. ... ... Cart-loads.	1,445	...	1,219	...
	Stones ... ... Do.	4,578	...	4,311	...
	Do. ... ... Cubic feet.	...	...	2,200	...
	Grass pullies	26,375	...	15,075	...
	Do. ... ... Head-loads.	3,937	...	4,087	...
	Do. ... ... Cart-loads.	...	...	3	...
	Earth ... ... Do.	39	...	327	...
	Do. ... ... Buffalo-loads.	48	...	...	...
	(4).—Free Grants of Forest Produce.				
	Teak	...	...	38	...
	Junglewood	...	...	112	...
Bijápur.	*(2).—Removal of Produce by Purchasers for local consumption on payment of fees.*				
	Sandalwood pieces	1	...	20	...
	Timber ... ... Cart-loads.	238½	...	152	...
	Do. ... ...Pieces.	211	...	17	...
	Do. ... ... Cubic feet.	...	...	557	...
	Jantis ... ... Head-loads.	11,452	...	6,471	...
	Firewood... ... ... Cart-loads.	3,034	...	3,702	...
	Do. ... ...Bullock-loads.	5,689	...	4,899	...
	Do. ... ...Donkey-loads.	8,895	...	13,316	...
	Do. ... ... Horse-loads.	183	...	242	...
	Do. ... ... Head-loads.	81,928	...	1,25,898	...
	Shindi-trees	...	...	400	...
	Thorns ... ...Heaps.	748	...	710	...
	Do. ... ... Head-loads.	548	...	743	...
	Leaves ... ... Do.	5,348	...	6,794	...
	Do. ... ...Bullock-loads.	115	...	71	...
	Tárvád bark ... ... Do.	...	...	516	...
	Do. ... ... Cart-loads.	...	...	8	...
	Do. ... ... Head-loads.	...	...	1,658	...
	Stones ... ... Cart-loads.	18,515	...	24,047	...
	Do. ... ...Bullock-loads.	4,247	...	982	...
	Do. taken by the Southern Marátha Railway Company Cubic feet.	11,36,653	...	3,69,011	...
	Do. ... ... Head-loads.	2,982	...	3,686	...
	Earth ... ... Cart-loads.	292	...	527	...
	Do. ... ...Bullock-loads.	1,320	...	4,598	...
	Do. ... ... Head-loads.	2,918	...	1,600	...
	Do. ... ...Donkey-loads.	2,404	...	3,735	...
	Grass bundles	26,000	...	...	...
	Gum ... ... Maunds.	...	...	10	...
	Honey ... ... Do.	...	...	3	...
Kolába Division.	*(1).—Through Departmental Operations (Forest Produce brought to Depôts by Government Agency).*				
	Teak beams	442	...	744	...
	Poles, 1st-class	1,506	...	2,306	...
	Do. 2nd do.	2,013	...	3,167	...

Divisions.	Description.	1885-86. Number of Logs.	1885-86. Khandis.	1886-87. Number of Logs.	1886-87. Khandis.
Kolába Division—*continued.*	*(1).—Through Departmental Operations (Forest Produce brought to Depôts by Government Agency)*—continued.				
	Poles, 3rd class	2,061	...	3,574	...
	Do. 4th do.	1,833	...	2,087	...
	Miscellaneous pieces	1,655	...	2,909	...
	Shigékái	...	12	...	...
	(2).—Removal of Produce by Purchasers for local consumption on payment of fees and (3).—Removal of Produce for export on payment of fees.				
	Teak pieces including beams	1,11,417	...	1,25,559	...
	Poles, 1st class				
	Do. 2nd do.				
	Do. 3rd do.				
	Do. 4th do.				
	Miscellaneous pieces				
	Firewood... ... ...Kowl Khandis.	98,795	...	55,000	...
	(4).—Free Grants of Forest Produce.				
	Teak rafters	2,297	...	5,984	...
Ratnágiri Division.	*(1).—Through Departmental Operations (Forest Produce brought to Depôts by Government Agency).*				
	Beams	1,676	...	1,766	...
	Poles, 1st class	2,640	...	2,568	...
	Do. 2nd do.	5,280	...	4,574	...
	Do. 3rd do.	6,397	...	7,205	...
	Do. 4th do.	4,955	...	4,937	...
	Miscellaneous pieces	6,940	...	5,534	...
	Firewood... ... ... Cubic feet.	39,372	...	1,076½	...
	Hirda	...	8	...	4½

58. The principal variations, as compared with the previous year, are as follows :—

A.—NORTHERN, CENTRAL, AND SOUTHERN DIVISIONS OF KÁNARA.

1.—Departmental Operations.

59. The outturn of teak brought to depôts exceeded that of the previous year by 6,206 logs measuring 12,901 khandis, but the number of teak-poles and of round pieces for sleepers was less by 12,984 and 1,60,130, respectively.

60. The outturn of sleepers was 89,990 against 2,94,379 in the previous year.

61. Of blackwood there was a decrease of 484 khandis.

62. The junglewood brought in was more by 1,049 khandis; in 1885-86 1,957 khandis were brought in, and in 1886-87 3,006 khandis.

63. The yield in myrobolans was 4,817 khandis in 1886-87 and 4,836 in 1885-86.

64. The sandalwood was 19 khandis in 1886-87 and 82 in the previous year.

2.—Removals by Purchasers.

65. The yield exceeded the previous year's yield by 2,296 khandis of junglewood, 19 khandis of teak, 211 of blackwood, 1,39,905 bámbus, 1,559 cart-loads of firewood, 3,559 head-loads of firewood, and 11,62,867 cubic feet of firewood.

66. On the other hand, there was a falling-off of 104 khandis of junglewood, 1,59,067 bámbus, and 9,028 tons of firewood removed for export.

67. The free grants made in the Kánara districts are as follows :—

	Value. Rs.	a.	p.
1885-86	17,004	5	2
1886-87	17,699	0	9

B.—BELGAUM.

1.—Departmental Agency.

68. Almost all the items under the head of Departmental Operations show a decrease, but this is more than compensated for by the quantity of firewood supplied to the Southern Marátha Railway Company, which amounted to 14,64,645½ cubic feet, against 91,700 cubic feet supplied during the previous year.

69. The yield of myrobolans was 19,252 baskets less than in 1885-86. The crop of the preceding year was extraordinarily good.

2.—Removals by Purchasers.

70. Under this heading 1,58,731 bámbus, 429 bullock-loads, and 39,731 head-loads of firewood were removed in excess of the quantity extracted during the previous year. Also a greater quantity of stones and earth was removed.

71. The free grants made are as under :—

	Value. Rs.	a.	p.
1885-86	767	6	8
1886-87	1,372	0	4

C.—DHA'RWA'R.

72. The yield in all the items, excepting bámbus and sandalwood, shows a decrease; but, as a set off to this, 5,102 sleepers, 9′ × 8″ × 5″, were supplied to the Southern Marátha Railway Company.

73. Forest rights have been granted to Inámdárs throughout the district and the sale from their forests to a great extent relieved the Government forests from the strain which the increased demand for wood would otherwise have brought upon them.

D.—BIJA'PUR.

74. The items of increase in the yield of the year are chiefly firewood, timber, thorns, tárvád bark, leaves, and earth.

75. A considerable quantity of small-wood was sold from the private forests of Inámdárs; hence the decrease in the quantity removed from the Government forests.

E.—KOLA'BA.

76. The yield in teak-beams and pieces of all classes removed during the year shows a marked increase, but the firewood removed was less by 43,795 kowl-khandis.

F.—RATNA'GIRI.

77. All the items show a decrease in the year's yield, excepting teak-beams, which were 90 in excess of the previous year.

78. The following exhibits the free grants of wood made in the last 3 Divisions during the year :—

	Value. Rs.	a.	p.
Dhárwár	350	0	0
Kolába	2,199	0	0
Ratnágiri	265	8	0

79. The free grants made had the special sanction of Government.

KA'NARA SAW-MILLS.

80. The Saw-Mills at Kannigeri worked, in all, 297 days during the year, and 289 days in the previous one. Timber, amounting to 40,566 cubic feet of teak, 238 of blackwood, and 948 of junglewood, or 41,752 cubic feet in all, was cut up, but only 23,700 in 1885-86. In addition, six-feet sleeper-pieces were converted into 375 cubic feet of sawn timber.

81. The outturn in clean timber exceeded that of the previous year by 7,839 cubic feet, that in the year 1886-87 being 25,758 cubic feet against 17,919 in 1885-86, but during the year under report only 348 sleepers were cut up at Kannigeri. The percentage of wastage in cutting-up teak was 38·8 in 1886-87 and 24·3 in 1885-86. This increase is owing to the logs being defective.

82. The wastage for blackwood cannot be fairly stated. The demand for blackwood from the Saw-Mills is very small, and each order, however small, generally necessitates the cutting-up of a whole log, the remaining portion of which is not converted into sawn timber, nor can it be returned to the Depôt-account ; and as a sawn blackwood-log quickly splits and deteriorates, what remains after cutting is generally useless.

83. The wastage in junglewood was also high, *viz.*, 70·5 per cent. During the whole year the outturn was only 279 cubic feet ; the demand was so small that no logs have lately been brought to Depôt, and such logs as have been brought were lying in the jungles for some years. Unless junglewood logs are cut up soon after they have been felled and squared, they crack and develop numerous defects, and scarcely yield more than $\frac{1}{4}$ of their depôt-measurements in clean timber.

84. The machinery at Kirwatti cut up 4,197 sleepers $6' \times 8'' \times 4\frac{1}{2}''$, $6' \times 10'' \times 4\frac{1}{2}''$, and $7' \times 9'' \times 5''$, and, from defective sleepers, 63 cubic feet of clean timber, for the Southern Marátha Railway Company.

85. The sleeper saw-machinery at Kolikeri worked up till 31st December 1886, when, in consequence of stoppage of No. 3 engine for repairs to the boiler at Kannigeri, the engine and the machinery were removed to Kannigeri, and have ever since remained there.

86. During the period the machinery was at Kolikeri, 4,761 sleepers were cut up, and 2,838 cubic feet of clean timber was cut up entirely from defective sleeper-pieces and slabs.

87. The receipts at the Mills were Rs. 77,619. Of this sum Rs. 51,311 were realized from clean timber and Rs. 26,308 from sleepers. In the previous year Rs. 22,154 from clean timber and Rs. 92,198 from sleepers were obtained, and the expenditure was Rs. 13,716 in 1886-87 against Rs. 26,944 in 1885-86.

88. An accident to the machinery occurred at Kannigeri on the 15th July by the piston-rod-nut of one of the engines getting loose ; the piston was smashed to pieces, the piston-rod bent badly, the cylinder scored, and the crank shaft bent. As the Kirwatti engine was out of repair at the same time, and was a sister-engine to the one damaged at Kannigeri, the piston-rod and crank shaft were at once brought from Kirwatti to replace the damaged portions at Kannigeri. The Divisional Officer, Mr. Haselden, got a new piston and rod made at Hubli, and then fitted them at Kannigeri, and the engine has been working with them since the 25th August 1886.

89. During the year, No. 3 boiler sprung a leak several times, but so badly on the 10th December as to render the boiler useless and not worth repairing. The purchase of a new one was conditionally sanctioned by Government.

90 (5). The following table gives summary of produce removed from the orests :—

Description of Produce.		1885-86.	1886-87.
Teak	... Khandis.	10,833	22,972
Do. sleepers	... ...	.....	4,868
Do. round pieces for sleepers ...	... ...	2,09,409	43,557
Do. poles or rafters... ...	... ...	1,89,748	1,07,915
Do. slabs, pieces, sotás, &c. ...	... ...	1,676	30,900
Do. beams	... ...	442	1,766
Blackwood	... Khandis.	567	410
Do. rafters, poles, and pieces	... ...	2	3,800
Ebonywood	... ...	5	.....
Sandalwood	... Khandis.	98	19
Do. billets, &c. ...	... ...	.....	1,778
Do. whitewood chips ...	... Carts.	.....	½
Do. saw-dust... ...	... Sers.	.....	12
Do. chips	... Khandis.	.....	8½
Junglewood	... Do.	26,062	28,854
Do. rafters, poles, and pieces	... ...	44,262	31,940
Timber	... Cart-loads.	238	152
Do. pieces	... ...	.....	17
Do.	... Cubic feet.	.....	557
Jantis	... Head-loads.	11,452	6,471
Miscellaneous pieces	... Nos.	8,595	8,443
Myrobolans	... Khandis.	12,562	6,628½
Do.	... Baskets.	.....	55,639
Shigékái pods	... Khandis.	62	437
Do. bark	... Do.	48	542
Bámbus	... No.	40,57,483	42,55,241
Dry do.	... Cart-loads.	.....	208
Do.	...Head-loads	5,563	11,791
Sheebs	... ...	.....	8,650
Firewood...	... Tons.	25,609	16,659
Do.	... Cart-loads.	41,917	13,435
Do.	...Head-loads.	3,50,652	4,34,254
Do.	Donkey-loads.	11,680	15,081
Do.	Bullock-loads.	5,689	5,328
Do.	Horse-loads.	183	242
Do.	Kowl Khandis.	98,795	55,000
Do.	... Stacks.	.....	20,914
Do.	... Cubic feet.	1,35,365	26,32,882
Charcoal	... Khandis.	329	142½
Brakes for traffic carts ...	... No.	1,653	...
Agricultural implements ...	... ...	33,670	29,027
Thorns	... Cart-loads.	1,474	1,313
Do.	Head-loads.	932	914
Do.	Bullock-loads.	71	111
Do.	... Heaps.	748	710
Stones	... Cart-loads.	27,315	29,963
Do.	Bullock-loads.	4,247	1,802
Do.	...Head-loads.	2,982	3,686
Do.	... Cubic feet.	11,36,653	5,58,929
Earth	.. Cart-loads.	331	1,020
Do.	Buffalo-loads.	48	.....
Do.	Bullock-loads.	1,320	4,598
Do.	Donkey-loads.	2,404	3,735
Do.	Head-loads.	2,918	1,600
Bábulwood	... ...	.....	32
Tárvád bark	... Cart-loads.	.....	8
Do.	Bullock-loads.	.....	664
Do.	...Head-loads.	.....	1,658
Honey	... Maunds.	45	53
Rattan or cane	... Loads.	1,005	435
Do.	Head-loads.	.....	473
Kárvi	... Cart-loads.	183	267
Do.	Head-loads.	48	1,513
Hadchari leaves	... Maunds.	80	.....

Description of Produce.		1885-86.	1886-87.
Leaves	Head-loads.	5,348	6,794
Do.	Bullock-loads.	115	71
Palmyra trees	... No.	136	89
Toddy trees	... „	170	88
Tapping trees	... ...	.....	91
Baini trees	... ...	14	59
Gum	... Maunds.	25	30
Grass bundles or pullies ...	... ...	9,88,040	92,775
Grass	...Head-loads.	3,937	4,087
Do.	... Cart-loads.	.....	3
Sand	... Cubic feet.	.....	32,593
Creeper for baskets	... ...	.....	1,843
Coffee	... Sers.	.....	35
Tamarind	... Maunds.	.....	10
Nim trees	... ...	.....	3
Shindi trees	... ...	.....	400

CHAPTER V.

Financial Results.

91. The details of the financial results and of the year's transactions are shown in accompanying forms, Nos. 58 to 62.

92. The receipts and expenditure of the Southern Circle for the years 1885-86 and 1886-87 were :—

Year.	Receipts.	Charges.	Surplus or Net Revenue.
	Rs.	Rs.	Rs.
1885-86	17,92,114	7,22,586	10,69,528
1886-87	14,33,793	6,94,614	7,39,179

93. Thus, the gross receipts in 1886-87 are less than in the previous year by Rs. 3,58,321, and the charges are less by Rs. 27,972. The receipts have, however, considerably exceeded those of all past years, excepting 1885-86. During that year the revenue on account of teak-sleepers alone amounted to over 6 lákhs of rupees. In the year 1886-87 far fewer sleepers were supplied, and this accounts for the decrease. In respect of ordinary revenue, the results are quite satisfactory.

94. Form No. 58, appended, shows the receipts and expenditure for each division under the several sub-heads.

95. The following statement shows the figures for 1885-86 and 1886-87 under each main head :—

Heads of Revenue and Charges.	1885-86.	1886-87.	Increase.	Decrease.
Receipts.	Rs.	Rs.	Rs.	Rs.
I.—Timber and other produce removed from the forests by Government agency ...	13,55,730	10,17,495	...	3,38,235
II.—Timber and other produce removed from the forests by consumers or purchasers .	4,17,509	3,93,268	...	24,241
III.—Confiscated drift and waif wood ...	2,011	7,594	5,583	...
IV.—Revenue from forests not managed by Government	2,926	207	...	2,719
V.—Miscellaneous	13,938	15,229	1,291	...
Total Receipts ...	17,92,114	14,33,793	6,874	3,65,195